

21 (c) incubating the reconstituted cell such that an embryo develops that is capable of developing to term and has the same set of chromosomes as the individual non-human mammal.

22 29. (AMENDED) A non-human mammal that has the same set of chromosomes as an individual non-human mammal, wherein the mammal is produced by a process comprising:

- (a) transferring an embryo according to claim 20 to a female of the same species; and
- (b) developing the embryo into a non-human mammal.

23 35. (AMENDED) A non-human mammal that has the same set of chromosomes as an individual non-human mammal, wherein the mammal is prepared by a process comprising:

- (a) transferring the nucleus of a quiescent diploid donor cell of an individual non-human mammal into an enucleated oocyte of a non-human mammal of the same species, thereby obtaining a reconstituted cell;
- (b) activating the oocyte before, during or after nuclear transfer;
- (c) incubating the reconstituted cell such that an embryo develops;
- (d) transferring the embryo to a female of the same species; and
- (e) developing the embryo into a non-human mammal that has the same set of chromosomes as the individual non-human mammal.

Please add the following new claims:

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- 43. (NEW) An embryo according to claim 20, wherein the embryo is a cow embryo.
44. (NEW) A non-human mammal according to claim 29, wherein the mammal is a cow.
45. (NEW) A non-human mammal according to claim 35, wherein the mammal is a cow.
46. (NEW) A non-human mammalian embryo that has the same set of chromosomes as an individual non-human mammal of the same species, wherein the non-human mammalian embryo is capable of developing to term and is cloned by nuclear transfer from a quiescent cell obtained from the individual non-human mammal.
47. (NEW) The non-human mammalian embryo of claim 46, wherein the non-human mammal is selected from the group consisting of cows, sheep, pigs, goats, mice, and rabbits.
48. (NEW) The non-human mammalian embryo of claim 46, wherein the cell is a cultured cell or the cell is genetically modified.
49. (NEW) The non-human mammalian embryo of claim 46, wherein the cell is a cell in which quiescence has been induced.
50. (NEW) The non-human mammalian embryo of claim 46, wherein the cell is a cell that is naturally quiescent.
51. (NEW) A non-human mammal that has the same set of chromosomes as an individual non-human mammal of the same species, wherein the non-human